



## Meet the needs of the whole student

First research based platform to combine subject mastery, 21st-century skills, and SEL

### Infini-D Lab

Students embark as a class on a "mission" directly tied to what was just covered in class. Each student computer turns into a spaceship control station. In order to succeed, students must gather data, solve problems, make decisions, and apply their learning. After each mission, a comprehensive report is generated for each student around their knowledge, skills, and dispositions.

**Students who receive SEL instruction achieve scores that average 11 percentile points higher than those who do not.**

### Benefits of 21st-century skills and SEL

In order to succeed and thrive in today's workplace, students need to possess strong critical-thinking, problem-solving, and analytical skills, as well as the ability to collaborate, communicate and quickly adapt to changing situations. Together, 21st-Century Skills and SEL (social emotional learning) can prepare students to be successful in school and in whatever the future may hold for their careers.



\$975,000 received from the National Science Foundation

97% of teachers report improvement in 21st-century skills

95% of teachers report boost in student confidence and initiative

78% of teachers report better retention of subject material

97% of teachers report boost in student interest in STEM

93% of teachers report increase in student excitement for school

74% of teachers report positive impact on test scores

### Average Student Growth with the Infini-D Lab

#### Critical Thinking



#### Collaboration



#### Initiative



#### Grit



#### Overall SEL



### Apply

### Practice

### Measure

- K-9 Utah SEE Standards
- National NGSS Standards
- Utah K-5 Computer Science Standards

- Collaboration
- Critical Thinking
- Communication

- Creativity
- Initiate
- Grit

- Content Mastery
- Content Application
- Collaboration
- Critical Thinking
- Initiative
- Grit



Davis School District



As a principal new to Riverdale Elementary, I was told by many people that there was a huge bullying problem at Riverdale. I knew that the collaborative aspects of Infini-D was exactly what Riverdale students needed! It thrills me to know that based on student reports, Infini-D did exactly what I wanted it to do: engage kids in learning, provide academics in a game-based format, and help improve the social/emotional skills in students!"

"We get to help people!"      "Complimenting others!"

"We get to work together!"      "We can get out of our seats!"

Infini-D Lab was, they said comments such as: "The Infini-D Lab has been such an innovative addition to Riverdale Elementary! The tool itself is amazing and so engaging. However, the POWER of Infini-D is what it does for students. At any point during a mission, you can walk in and see 100% of students engaged not only in academics but also in social emotional skills! When I asked the students what their favorite part of the Infini-D Lab was, they said comments such as:

Lindsay Baird, M. Ed, Principal, Riverdale Elementary, Weber School District



have explored space, the ocean, and the human body  
**200,000+ Utah students**

"As a district we are actively promoting project-based learning and STEM-focused learning. The Infini-D program provides an accessible and exciting path to those efforts for both our teachers and our students. Not only has it become an invaluable resource, but the kids actually love it. It's not just another boring thing the kids have to endure because we ask them to, they actually want to do it!"

Logan Toone, Ph.D, Assistant Superintendent, Davis School District

"The goal of Juab School District is to foster a personalized learning environment in which each student can thrive. The Infini-D lab helps embed our "Portrait of a Graduate" knowledge, skills, and dispositions into an engaging and interactive student experience. Seeing students in action during Infini-D Lab time is all it takes to recognize the value. I want all Utah students to have the expert-knowledge it will challenge their thinking and help them become leaders. There is nothing they would rather do in the computer lab! Infini-D Lab wins, every time."

Kystle Bassett, M. Ed, Innovation Specialist, Juab School District

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